

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/051864

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L29/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 241 838 A (MICROSOFT CORPORATION) 18 September 2002 (2002-09-18) cited in the application page 2, line 5 - page 4, line 6 page 6, line 23 - page 10, line 6	1-14
A	US 2003/158922 A1 (PARK YONG JIN) 21 August 2003 (2003-08-21) page 1, paragraphs 5,10-13 page 2, paragraph 32 - page 3, paragraph 44	1-14
A	EP 1 307 003 A (NEC INFRONTIA CORPORATION) 2 May 2003 (2003-05-02) abstract column 1, line 16 - column 7, line 40	1-14
	----- -/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *&* document member of the same patent family

Date of the actual completion of the international search

14 March 2005

Date of mailing of the international search report

22/03/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Isopescu, C

INTERNATIONAL SEARCH REPORT

Inter al Application No
PCT/IB2004/051864

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/134638 A1 (SUNDAR RANGAMANI ET AL) 17 July 2003 (2003-07-17) page 4, paragraphs 61,62 -----	1-14

INTERNATIONAL SEARCH REPORT

In International Application No
PCT/IB2004/051864

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 1241838	A	18-09-2002	US	2002176366 A1	28-11-2002
			CN	1375772 A	23-10-2002
			EP	1241838 A2	18-09-2002
			JP	2002344458 A	29-11-2002
US 2003158922	A1	21-08-2003	KR	2003069245 A	27-08-2003
EP 1307003	A	02-05-2003	JP	3612528 B2	19-01-2005
			JP	2003204335 A	18-07-2003
			CA	2410250 A1	29-04-2003
			EP	1307003 A2	02-05-2003
			JP	2004266870 A	24-09-2004
			TW	582149 B	01-04-2004
			US	2003115339 A1	19-06-2003
US 2003134638	A1	17-07-2003	AU	2003214799 A1	30-07-2003
			EP	1470729 A2	27-10-2004
			WO	03061177 A2	24-07-2003